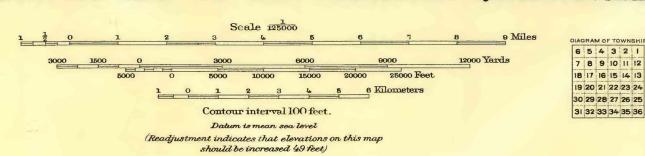
## RECONNAISSANCE GEOLOGIC MAP OF THE HAMILTON QUADRANGLE, MONTANA



**EXPLANATION** 

Alluvium Sand, gravel, and silt. Some material of glacial derivation may be included



Glacial deposits Mostly poorly sorted gravel and sand, some silt. Part in well-formed moraines. Locally masks sediments of Miocene (?) age



Sediments Largely compacted silt, but only slightly cemented. Some gravel and sand



Lava flows and breccias of inter-mediate to silicic composition, with tuff beds

Granitic rocks of Idaho batholith

Light-gray, faintly gneissic gran-itic rock, mostly with the approximate composition of quartz monzonite



Granitic rocks of outlying masses Light-to dark-gray granitic rock whose composition varies from that of granite to granodiorite or even diorite



Border-zone gneiss of the Idaho batholith Light- to dark-gray stratiform gneiss containing material of igneus derivation and cut by aplite and granite



Rocks associated with and grad-ing into the granitic rocks of outlying masses, but of dis-tinctly gneissic texture



Xenoliths and detached pendants Rocks inclosed in the Idaho batho-lith, derived from sedimentary rocks, but now much changed and, in part, injected with igneous material



Injection gneiss Sedimentary rock to which much igneous material of a wide range in composition has been added

Wallace formation Impure, siliceous limestone, calcareous argillite, and quartz-itic argillite



Grinnell argillite Bluish-gray to reddish-purple argillite, and argillaceous quartzite

Dashed where approximately located

Probable fault

Dotted where concealed U, upthrown side; D, downthrown side

Strike and dip of stratification

Strike and dip of foliation